



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

## MINUTES.

### Thirty-eighth Annual Meeting, Kansas Academy of Science, December 1 and 2, 1905.

LAWRENCE, KAN., December 1, 1905.

PURSUANT to call of the executive committee, the thirty-eighth meeting of the Kansas Academy of Science was opened in the lecture-room of Snow hall at nine A. M., with the president, L. C. Wooster, in the chair. There was an attendance of about fifty members, and the president announced the following committees:

On resolutions: Messrs. Mead, Willard, and Miss Meeker.

On necrology: Messrs. Knaus, Miller, and Cooper.

On membership: Messrs. Bushong, Tucker, and Harshbarger.

On nominations: Messrs. Stevens, Scheffer, and Iden.

On the press: Messrs. Sayre and Knaus.

The secretary's report was read and accepted. On motion, certain recommendations of this report were referred to a committee, and the chair named Messrs. Willard and Bushong as this committee.

The Academy next listened to the reading of papers in the following order:

1. A new repetition of the Foucault pendulum experiment, J. T. Lovewell.

2. The genesis of gold in mineral veins and placers, J. T. Lovewell.

3. Some recent high-efficiency lamps, L. H. Freeman.

4. Is the rainfall of Kansas increasing? F. H. Snow.

5. The University of Kansas expedition into the John Day region of Oregon, C. E. McClung.

Professor Sayre, on behalf of the local committee, announced that the afternoon meetings of the Academy would be in two sections, which is necessary in order to complete the reading of the papers that are on the program.

President Wooster ruled that the vice-presidents will be chairmen at these meetings of the sections, which will be designated as section A and section B, respectively.

Reading of papers resumed.

6. The variation of latitude, E. Miller.

7. Examination of coal-dust after explosion in mines (read by title, in absence of author), E. Bartow.

The committee on nomination, reported the following names for membership:

Frank G. Agrelius, teacher.....	Lawrence.
Carol D. Armstrong, M. D.....	Salina.
Charles I. Corp, University of Kansas.....	Lawrence.
E. G. Corwine, student.....	Mulvane.
Emil O. Deere, Bethany College.....	Lindsborg.
E. X. H. Dunmire, University of Kansas.....	Lawrence.
Harry Eagle, student.....	Topeka.
Thomas B. Ford, University of Kansas.....	Lawrence.
Frank Hartman, student.....	Kansas City, Kan.
Francis C. Herr, physician.....	Ottawa.
R. W. Coppedge, high school.....	Topeka.
Lillian E. Fowler, Ottawa University.....	Ottawa.
L. C. Hodson, University of Kansas.....	Lawrence.
B. C. Hubbell, secretary Casine Soap Company....	Concordia.
C. H. Lyon, high school.....	Emporia.
Henry N. Olson, Bethany College.....	Lindsborg.
W. B. Robertson, student.....	Lawrence.
A. P. Ruediger.....	Lawrence.
Richard Scammon, student.....	Lawrence.
Claude J. Shirk, teacher.....	McPherson.
Paul L. Shuey, University of Kansas.....	Lawrence.
Ralph C. Shuey, University of Kansas.....	Lawrence.
Frank Strong, chancellor of University.....	Lawrence.
Norman Triplett, State Normal School.....	Emporia.
P. F. Walker, University of Kansas.....	Lawrence.
Howard R. Watkins, Kansas Agricultural College, Manhattan.	
Heman A. Wood, Kansas Agricultural College.....	Manhattan.

On motion, the vote of the Academy was cast by the secretary for the election as members of the persons named in the report.

Adjourned, to meet in sections at two o'clock P. M.

#### SECTION A.

F. W. Bushong, president; L. E. Sayre, secretary.

8. The disintegration of cement and plaster walls, E. H. S. Bailey and S. G. Stromquist.

9. The fluorescence of a solution of quinine salts, H. P. Cady.

10. Some properties of the alloys of the ferro-magnetic metals, considered from the standpoint of Osmond's allotropic theory, Bruce V. Hill.

11. Kansas petroleum (third article, read by title), E. Bartow.

12. Something about mineralogy, J. C. Cooper.

13. Note on certain formulas for the design of reenforced concrete beams, Albert K. Hubbard.

14. On the substituted ureas, F. B. Dains.
15. Chemical processes for the detection of adulterants in organic substances and medicinal chemicals, L. E. Sayre.
16. An investigation of Kansas mine water (by title), E. H. S. Bailey.
17. Chemical reactions in benzene (by title), H. C. Allen.

SECTION B.

W. A. Harshbarger, president; D. F. McFarland, secretary.

18. A chemical study of the lime and sulfur dip, Roscoe H. Shaw.
  19. The Loup Fork Miocene of northwestern Kansas, Charles H. Sternberg.
  20. The reaction of animal cells to chemical stimuli, F. H. Hartman.
  21. Test for cyanide (read by title), H. P. Cady.
  22. Note on use of mercurous sulfate in standard cells (by title), H. P. Cady.
  23. A mineral found in Topeka, J. T. Lovewell.
  24. Additional observations on the geology of Kansas, L. C. Wooster.
  25. Notes on Coleoptera, W. Knaus.
  26. Some mastodon and mammoth remains found in Buffalo, Kan., M. E. Canty.
  27. Notes on the flora of the Rosebud Indian reservation, South Dakota (by title), Albert B. Reagan.
  28. Hygroscopic structures in the distribution of pollen grains and spores (illustrated), M. A. Barber.
  29. Secondary increase in thickness of smilax (illustrated), W. C. Stevens.
  30. Nutrition of developing spores in ferns (illustrated), W. C. Stevens.
  31. Dry periods in northeastern Kansas and the relation to water-supplies, W. C. Hoad.
  32. Collecting insects at night, E. S. Tucker.
  33. Transpiration in plants, L. M. Peace.
  34. *Melilotus alba* (white clover) (by title), R. W. Coppedge.
  35. On Coleoptera of New Mexico—III, W. Knaus.
  36. Notes on Cicindelidæ—II, Eugene G. Smyth.
- Section adjourned at five o'clock.

At six o'clock the Academy met in the large assembly-room of Snow hall, where a most delightful banquet had been prepared by the faculty of the University, and soon about seventy-five mem-

bers were seated at the long table, and Professor Bailey acted as master of ceremonies.

After justice had been done to the bountiful repast, and toasts were responded by Messrs. Snow, Sayre, Willard, Strong, Lovewell, Mead, Cooper, Miller, Knaus, and others, it was time to go to the lecture-room and resume the

#### GENERAL SESSION.

The first order was to listen to President Wooster's retiring address. The theme chosen was "The Development of the Sciences in Kansas."

After this address, which was heard with interest, the Academy adjourned, to meet to-morrow at nine o'clock.

---

#### GENERAL SESSION, SATURDAY, DECEMBER 2, 1905.

The committee on nominations reported their action as follows: For president, F. O. Marvin, Lawrence.

First vice-president, B. F. Eyer, Manhattan.

Second vice-president, J. E. Welin, Lindsborg.

Treasurer, Alva J. Smith, Emporia.

Secretary, J. T. Lovewell, Topeka.

On motion of Professor Miller, the rules were suspended, and the president directed to cast the vote of the entire Academy for the candidates named.

On motion, the Academy separated again into sections and proceeded with the reading and discussion of papers.

#### SECTION A.

37. Natural gas in Lawrence, H. W. Emerson.

38. The Red phalarope, a new bird for Kansas, L. L. Dyche.

39. A simple method of finding the line of intersection of pyramids and prisms, Chas. I. Corp.

40. The interpretation of indicator diagrams, Chas. I. Corp.

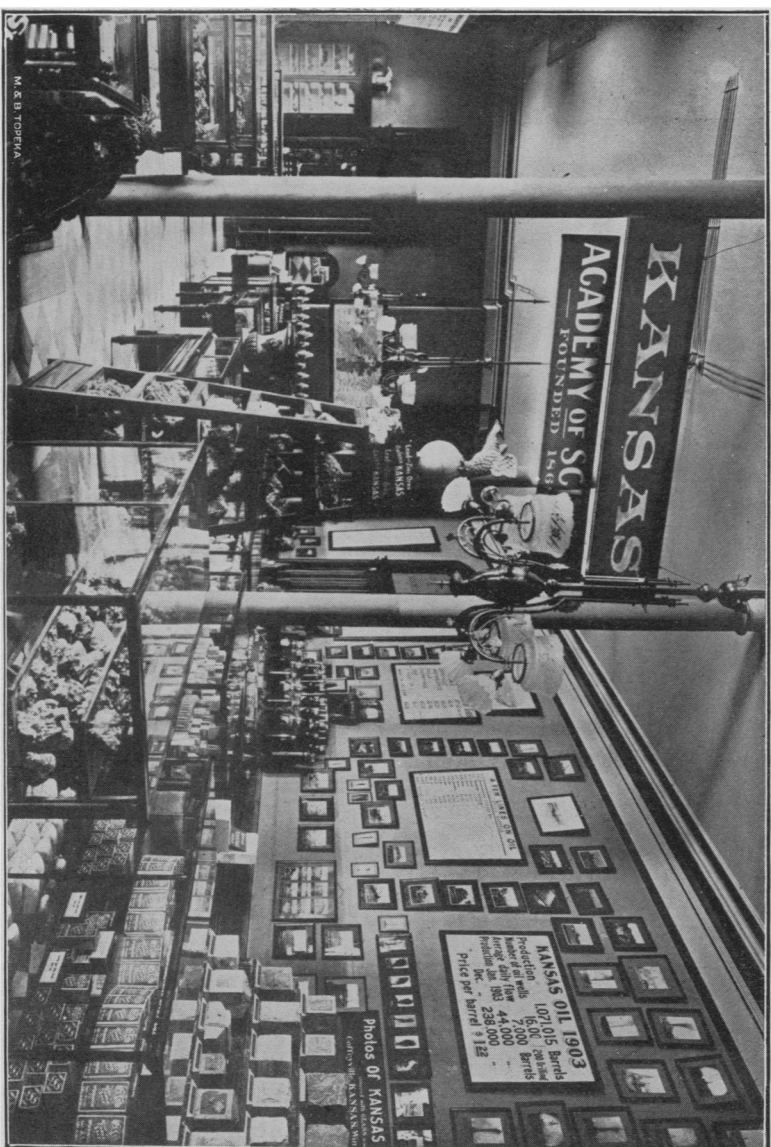
41. A description of Huesler's magnetic alloys of manganese, copper, and aluminum, Bruce V. Hill.

42. A good rock exposure west of Topeka, Wm. S. Prout.

43. A bit of engineering at Mount Vernon (by title), M. L. Ward.

44. Results of the entomological collecting expedition of the University of Kansas to Brownsville, Tex., F. H. Snow.

45. Results of the entomological expedition to southeast Arizona, F. H. Snow.



MUSEUM (looking east).

46. A revised catalogue of the Lepidoptera of Kansas, F. H. Snow.

47. Noise; its relation to health disease, and longevity, J. M. McWharf.

48. History of oil and natural gas development in the middle West (by title), George P. Grimsley.

SECTION B.

49. On Haliptidæ, Dytiscidæ, Gyrinidæ, Hydrophilidæ, Sylphidæ, Elasticidæ and Ptinidæ of Kansas, W. Knaus.

50. On the malaria musquito and the relative number present in the vicinity of Lawrence, S. J. Hunter.

51. Catalogue of the Goss ornithological collection, with original notes and measurements by Col. N. S. Goss (by title), prepared by B. B. Smyth, curator.

52. Comparison of the microscopical structure of stems and roots, C. M. Sterling.

53. Additions to the list of Kansas Coleoptera for 1905, W. Knaus.

54. Notes on the white sheep, L. L. Dyche.

55. A little experiment in flower-making, Grace Meeker.

56. The gas- and oil-engine for commercial purposes, P. F. Walker.

57. A deep well at Emporia, Alva J. Smith.

58. Additions to list of Kansas arachnids, Theo. H. Scheffer.

59. Additions to the list of Kansas Diptera, F. F. Crevecœur.

60. The botanical features of the new United States Pharmacopœia, L. E. Sayre.

61. A revised catalogue of the Lepidoptera of Kansas, F. H. Snow.

The committee on necrology reported that no death of any member during the past year had been brought to their notice.

Professor Bailey and others called attention to the need of a publication committee, who should decide which of the papers read during the session should be printed in the Transactions.

The matter was left in the hands of the executive committee to appoint such a board of critics.

Professor Sayre announced that special privileges would be granted to members of the Academy in visiting the exhibition of Tissot paintings.

The committee on resolutions reported as follows:

The thirty-sixth annual session of the Kansas Academy of Science, now drawing to the close of a most profitable meeting, finds reason for congratulating itself upon the zeal of its members in gaining accessions to the membership list, as well as in the number of papers offered, showing the work in science during the year.

The Academy wishes to record its appreciation of the work done by its officers in arranging for and conducting the various meetings. Especial thanks are due the committee for the rearrangement of the program into sections, and for furnishing to the members appropriate badges.

Our thanks are due to Professor Griffith for special courtesy, making it possible for the members to enjoy the Tissot pictures.

To the members of the Academy in Lawrence, whose guests we have been, we offer hearty thanks for the generous hospitality shown us and our friends, which will make another in the series of "red-letter days" to add to the memories of former years in meetings of the Academy.

J. R. MEAD,  
J. T. WILLARD,  
GRACE MEEKER,  
*Committee.*

The committee to whom was referred the secretary's report recommend:

1. That in books borrowed from the Academy library, the time limit during which a book may be retained be one month, and that it be the duty of the secretary to notify the holder of the expiration of the time.

2. That volumes IV, V, VI and VII be reprinted as soon as the funds of the Academy permit, and that the matter be referred to the executive committee for action.

3. That we give our hearty indorsement to the project of celebrating the semicentennial of the state in 1911.

J. T. WILLARD,  
F. W. BUSHONG,  
*Committee.*

#### TREASURER'S REPORT.

The treasurer reported as follows:

Balance on hand from last year.....	\$321 23
Receipts since, prior to this meeting.....	159 00

The treasurer's books were audited and found correct.

On motion of Professor Sayre, the treasurer was directed to make a time deposit to the amount of \$250.

The receipts from this meeting are not included in the above report.

The business being completed, the Academy adjourned, to meet at the call of the executive committee.

J. T. LOVEWELL, *Secretary.*

DECEMBER 2, 1905.